

2002 Annual Summary Report

of the Incidental Takings Authorizations
for Grassland and Savanna Management

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Barneveld Prairie Photo by Eric Epstein

INTRODUCTION

The Grassland/Savanna Management Protocols were authorized in February 2000 to provide broad taking authorization for those species whose continued existence depends upon periodic natural disturbance. The intent of the authorization is to allow the Department to conduct habitat management so that species and the natural ecosystems as a whole are maintained, and not lost to vegetative succession or invasives, while still following the intent of the Wisconsin Endangered Species Law. The authorization applies to all grassland and savanna management activities that the Department conducts, funds or approves.

The development of an annual summary report is a condition of formal authorization. Condition 4 states *“The Department shall compile an annual summary report documenting by property the past year’s grassland/savanna management where listed species were determined to be present.”* This report serves as the annual summary for 2002 and provides a general overview of how the Department has conducted grassland/savanna management within the confines of the existing protocols. Included herein is a summary of the following information: general management objectives, the estimated total acreage of incidental taking, how the species protocols were followed, presence/absence surveys, and what alternative management was carried out if protocols were not followed.

The Grassland/Savanna Management Protocols require managers to provide information to the Bureau of Endangered Resources only if screening indicates that legally protected species are likely present in the management area. If so, then managers are to follow the Species Protocols and document how management for listed species was addressed on a form provided in the Authorization Document. Thus, the following does not provide details on the full extent and scope of screening that has occurred for state grassland and savanna management activities, but rather only those that were likely to impact a threatened or endangered species. In addition, inclusion in this report does not verify that activities caused take – instead it acknowledges that the activities had the potential for take based on the known or unknown but likely presence of a listed species.

Property managers provided activity documentation for 2002 by submitting the Grassland/Savanna Management Documentation Form or other format that included the same information to the Endangered Resources Program. The information is summarized in Table 1. The full documentation is included in files located at the Endangered Resources Program office in Madison, Wisconsin.

RESULTS

Table 1 provides a summary organized by property of all documented activities that followed the Grassland/Savanna Management Protocols in 2002. The information was compiled from property managers who are required to send in the Grassland/Savanna Management Documentation form for grassland/savanna management activities they conduct. Table 1 lists for each activity the estimated acreage impacted, the species likely to be present, the guidelines followed and whether surveys were conducted to determine presence or absence of specific species. For 2002, 14 managers provided information on 60 properties located in 28 counties located throughout the state of Wisconsin. Over 8,800 acres of grassland and savanna habitat were covered under the incidental taking authorization.

DNR staff conducted the majority of activities reported for 2002 on lands owned by the DNR (Table 2). In addition, DNR staff conducted grassland/savanna management activities on privately owned properties. The Nature Conservancy (TNC) also conducted activities on lands that they manage and/or own. TNC manages a number of properties that are privately owned but either designated as State Natural Areas or managed with the assistance of DNR staff, thus their activities were covered by the takings authorization.

Table 2. Summary of property types with management activities covered by the Incidental Take Authorization for Grassland and Savanna Management

	2002 Properties
State Natural Areas	34
State Wildlife Areas	13
State Forests	2
State Recreation Areas	1
State Parks	1
Private Lands	9
Total	60

The activities covered under the Authorization had the potential to impact the following 46 species in 2002. All of these species are covered by the Grassland/Savanna Takings Authorization.

Table 3. Species covered under the Incidental Take Authorization for Grassland and Savanna Management – 2002

Plants	
• round-stemmed false foxglove (<i>Agalinis gattereri</i>) THR	• yellow gentian (<i>Gentiana alba</i>) THR
• pale false foxglove (<i>A. skinneriana</i>) END	• roundfruit St. John's-wort (<i>Hypericum sphaerocarpum</i>) THR
• yellow giant hyssop (<i>Agastache nepetoides</i>) THR	• prairie bush clover (<i>Lespedeza leptostachya</i>) END
• woolly milkweed (<i>Asclepias lanuginosa</i>) THR	• brittle prickly pear (<i>Opuntia fragilis</i>) THR
• purple milkweed (<i>A. purpurescens</i>) END	• prairie parsley (<i>Polytaenia nuttallii</i>) THR
• prairie milkweed (<i>A. sullivantii</i>) THR	• wild quinine (<i>Parthenium integrifolium</i>) THR
• ground plum (<i>Astragalus crassicaarpus</i>) END	• prairie white-fringed orchid (<i>Platanthera leucophaea</i>) END
• kitten tails (<i>Besseyia bullii</i>) THR	• pink milkwort (<i>Polygala incarnata</i>) END

• prairie Indian plantain (<i>Cacalia tuberosa</i>) THR	• small skullcap (<i>Scutellaria parvula</i> var. <i>parvula</i>) END
• wild hyacinth (<i>Camassia scilloides</i>) END	• dotted blazingstar (<i>Liatris punctata</i>) END
• Hill's thistle (<i>Cirsium hillii</i>) THR	• sand violet (<i>Viola fimbriatula</i>) END
• small white lady's slipper (<i>Cypripedium candidum</i>) THR	• hairy wild petunia (<i>Ruellia humilis</i>) END
• pale purple coneflower (<i>Echinacea pallida</i>) THR	
Birds	
• Henslow's sparrow (<i>Ammodramus henslowii</i>) THR	• prairie chicken (<i>Tympanuchus cupido</i>) THR
• yellow rail (<i>Coturnicops noveboracensis</i>) THR	• Bell's vireo (<i>Vireo bellii</i>) THR
• loggerhead shrike (<i>Lanius ludovicianus</i>) END	•
Terrestrial Invertebrates	
• red-tailed leaf hopper (<i>Aflexia rubranura</i>) END	• silphium borer moth (<i>Papaipema silphii</i>) END
• swamp metalmark (<i>Calephelis nutica</i>) END	• prairie net-veined leafhopper (<i>Polyamia dilatata</i>) THR
• winged snaggleteeth snail (<i>Gastrocopta procera</i>) THR	• phlox flower moth (<i>Schinia indiana</i>) END
• Karner blue butterfly (<i>Lycoides melissa samuelis</i>) SC/FE	• regal fritillary butterfly (<i>Speyeria idalia</i>) END
• Powesheik skipperling (<i>Oarima poweshiek</i>) END	
Reptiles	
• wood turtle (<i>Clemmys insculpta</i>) THR	• ornate box turtle (<i>Terrapene ornata</i>) END
• Blanding's turtle (<i>Emydoidea blandingii</i>) THR	• Butler's gartersnake (<i>Thamnophis butleri</i>) THR
• western slender glass lizard (<i>Ophisaurus attenuatus</i>) END	• prairie chicken (<i>Tympanuchus cupido</i>) THR
• eastern massasauga rattlesnake (<i>Sistrurus catnatus</i>) END	

All management activities conducted in 2002 and covered under the Authorization were for the purposes of recovering, maintaining or improving grassland, prairie or savanna ecosystems. The most common activity covered under the Authorization was prescribed burning. Additional activities included brush and tree cutting, herbiciding, mowing, and invasive removal.

In some cases, implementing a given protocol is not feasible or protocols for multiple listed species conflict with one another. The Grassland/Savanna Takings Authorization allows for management alternatives to the species protocols in such cases. Managers are advised to contact the Endangered Resources program and species experts to establish acceptable protocols that allow for incidental take without further legal Consultation or public notice. Alternatives to the protocols were developed on four properties (column 6 of Table 1) for Blanding's turtle and Eastern massasauga rattlesnake. For the two Blanding's turtle occurrences, presence was unknown and unlikely and the potential for take was determined to be low. For the two rattlesnake occurrences, the state herpetologist was contacted and the revised activity was authorized under his guidance.

Avoidance of likely impacts is required by the Authorization for three species (Ornate box turtle, Loggerhead shrike, and Eastern massasauga rattlesnake) due to the extreme rarity and/or low reproductive rates for these species and the fact that specific management methods exist to avoid take. Areas

containing habitat for and known occurrences of the ornate box turtle and eastern massasauga were impacted by management activities in 2002 and the avoidance protocols were followed as required.

Surveys were conducted in some instances to determine presence or absence of species and what direction their management would have to follow (Column 8 of Table 2). Where surveys affirmed the presence of a listed species, managers were required to follow the protocols - thus the post-survey management activities are included in this report. The results of the surveys are included in the project files for the individual properties.

Additional improvements to the species protocols and documentation requirements will continue to be developed as the Department implements future management activities under the Grassland/Savanna Takings Authorization. Condition 5 of the Authorization requires review of the protocols every three years – this will occur during 2003. Further information about the Grassland/Savanna Incidental Take Authorization or this Annual Report can be requested from Andy Galvin at the Endangered Resources Program at (608)-264-8968.

**Table 1. Summary of Documentation
for the Incidental Takings Authorization for Grassland/Savanna Management**

Site Name	Management Activity	Date Conducted	Total Acres Impacted	Species Present	Guidelines Followed?	Guidelines Followed By:	Surveys Conducted?	Manager	County
Avoca Prairie SNA									
Section 6	Herbicide	08/07, 08/19/2002		Blanding's Turtle	Yes	Burned when temp was >50 degrees/herbicide applied directly to target species	No	M. Zine	Iowa
				Prairie Indian Plantain	Yes	Followed Timing Restrictions/herbicide applied directly to target species	No	M. Zine	Iowa
Barneld Prairie									
Unit 3	Burn/Cut	04/25/2002 - Burn	15	Bell's Vireo	Yes	Followed Timing Restrictions	Yes	TNC	Iowa
		Fall/Winter 2002 - Cut		Regal Fritillary	Yes	Followed Timing Restrictions/Consult Expert	Yes	TNC	Iowa
				Loggerhead Shrike	Yes	Surveys No shrikes	Yes	TNC	Iowa
				Henslow's Sparrow	Yes	Followed Timing Restrictions	Yes	TNC	Iowa
Battle Bluff/Battle Hollow SNA									
Sections 1, 2,3	Burn/Cut/Herbicide			Yellow Gentian	Yes	Followed Timing and Area Restrictions	No	C. Olson	Vernon
				Winged Snaggletooth Snail	Yes	Followed Timing and Area Restrictions	No	C. Olson	Vernon
Bauer Brockway Barrens SNA									
Unit 4	Burn/Cut	04/13/2002		Karner Blue Butterfly	Yes	Followed Timing Restrictions	No	D. Dehmer	Jackson
				Phlox Flower Moth		Followed Timing Restrictions			
Black Earth Prairie SNA									
Unit 1	Burn	04/30/2002	1	Agalinis Species	Yes	Followed Timing Restrictions	No	TNC	Dane
Bloomfield Wildlife Area									
Sections 9, 10	Firebreaks/Burn/ Mow	04/23/2002	84	Wild Hyancith	Yes	Followed Timing Restrictions	No	J. Jackley	Walworth
				Showy Lady Slipper	Yes	Followed Timing Restrictions	No	J. Jackley	Walworth
Units 1-5	Firebreaks/Burn/ Mow	Fall/Winter 2002 - Mow	165	Wild Hyancith	Yes	Followed Timing Restrictions/mowed only 1x per year	No	J. Herrmann	Walworth
				Prairie White-fringed Orchid	Yes	Followed Timing Restrictions/mowed only 1x per year	No	J. Herrmann	Walworth
Blue River Bluffs SNA									
Sections 10,15,16	Cut Brush	1/10, 2/22, 7/30, 8/02, 10/23, 12/10/2002	160	Yellow Gentian	Yes	Cutting done when ground was frozen	No	M. Zine	Grant
				Pink Milkwort	Yes	Cutting done when ground was frozen	No	M. Zine	Grant
				Pale False Foxglove	Yes	Cutting done when ground was frozen	No	M. Zine	Grant
				Ornate Box Turtle	Yes	Cutting done when ground was frozen	No	M. Zine	Grant
Blue Spring Oak Opening SNA									
Section 27	Herbicide	10/30/2002	120	Kitten Tails	Yes	Avoidance/Herbicide only Locust	No	M.Zine	Jefferson
Bluff Creek Springs Fens & Oak Woods SNA									
Section 23, 24	Burn	04/15/2002	60	S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	M. Zine	Walworth
				Kitten Tails	Yes	Followed Timing Restrictions	No	M. Zine	Walworth
				Round-seed Saint John's Wort	Yes	Followed Timing Restrictions	No	M. Zine	Walworth
				Blanding's Turtle	Yes	Conducted survey prior to burn	No	M. Zine	Walworth
				Purple Milkweed	Yes	Followed Timing Restrictions	No	M. Zine	Walworth
Section 15	Firebreaks/Burn		50	Prairie Milkweed	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
Bong Recreational Area									

Unit 14B	Burn	05/22/2002	44	Blanding's Turtle	Yes	DNR staff walked burn unit looking for turtles/Survey's	Yes	M. Johnson	Kenosha
Unit 10C	Burn	04/05/2002		Henslow's Sparrow	Yes	Followed timing restrictions; greater than 40 contiguous acres of refugia left/Survey's	Yes	M. Johnson	Kenosha
Unit 14B	Burn			Blanding's Turtle	Yes	Consult Expert	No	M. Johnson	Kenosha
Brillion Wildlife Area									
T20NR20E Sec 33	Construction of waterfowl flowage	08/19/2002	55	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T19NR20E Sec 3,9	Cut Brush	7/1, 8/20/2002	15	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T20NR20E Sec 29, 32, 34	Cut/Herbicide	7/1, 7/12, 7/17, 8/1,8/10, 8/31/2002	39	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T19NR20E Sec 3	Burn	05/14/2002	15	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T20NR20E Sec 30-33	Burn	05/21/2002	140	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T19NR20E Sec 10,15	Cut	8/1, 8/15/2002	31	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
T20NR20E Sec 32, 33	Cut	08/12/2002	28	Prairie Parsley	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing and Area Restrictions	Yes	D. Nikolai	Calumet
Castlemound SNA									
Section 23, 24, 26	Buckthorn Removal			Sand Violet	Yes	No Restrictions	No	C. Olson	Jackson
Chiwaukee Prairie SNA									
Unit 2, 5, 6	Burn	05/03/2002	10	Red Tailed Leafhopper	Yes	Left 190 acres of reguia	No	TNC	Kenosha
				Silphium Borer Moth	Yes	Left 190 acres of reguia	No	TNC	Kenosha
				Agalinis Species	Yes	No restrictions	No	TNC	Kenosha
				Karner Blue Butterfly	Yes	Presence/Absence Surveys	Yes	TNC	Kenosha
				Henslow's Sparrow	Yes	Selective cutting/Left 190 acres of reguia	No	TNC	Kenosha
Clover Valley Wildlife Area									
Sections 19, 30	Firebreaks/Burn	04/16/2002	70	Blanding's Turtle	Yes	Walked Perimeter/burned on overcast day/mowed between 10 a.m. and 5 p.m.	No	J. Herrmann	Walworth
Deschler Marsh									
Section 29	Cut	07/08/2002	10	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D. Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D. Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D. Nikolai	Calumet
Dewey Heights Prairie SNA									
Section 13	Burn	11/15/2002	27	Wild Quinine	Yes	Followed Timing Restrictions	No	M. Zine	Grant
				Prairie Indian Plantain	Yes	Followed Timing Restrictions	No	M. Zine	Grant
				Winged Snaggletooth Snail	Yes	Followed Timing Restrictions	No	M. Zine	Grant
Eagle Oak Opening SNA									
Section 30	Burn/ Cut Brush	4/30/2002 Burn	90	Silphium Borer Moth	Yes	Not located on property	No	M. Zine	Waukesha

		2/18, 2/19, 2/25, 3/07/2002 -Cut		Kitten Tails	Yes	Followed Timing Restrictions/Cut when ground frozen	No	M. Zine	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions/Cut when ground frozen	No	M. Zine	Waukesha
Empire Prairie SNA									
Westport Unit - Section 11	Burn/ Cut Brush	3/27/2002 - Burn	15	Hill's Thistle	Yes	Followed Timing Restrictions/cut where groundlayer absent	No	M. Zine	Dane
		1,3,8,9,10/2002 -Cut		Prairie Bushclover	Yes	Followed Timing Restrictions/cut where groundlayer absent	No	M. Zine	Dane
Ziegler Unit -Section 27	Burn/Mow	3/27/2002 - Burn 9/13/2002, 7/18/2002 - Mow	6	Hill's Thistle	Yes	Followed Timing Restrictions/mowed only 1x in season	No	M. Zine	Dane
				Red-tailed Leafhopper	Yes	Species monitored by R. Henderson	No	M. Zine	Dane
Ferry Bluff SNA									
	Cut Brush	10/17/02, 10/22/02		Round-stemmed False Foxglove	Yes	Plant dormant when cut	No	M. Zine	Sauk
Gasner Hollow SNA									
Sections 6, 7,8	Burn	11/14/2002	150	Pale Purple Coneflower	Yes	Followed Timing Restrictions	No	M. Zine	Grant
				Yellow Giant Hyssop	Yes	Followed Timing Restrictions	No	M. Zine	Grant
				Prairie Indian Plantain	Yes	Followed Timing Restrictions	No	M. Zine	Grant
Genessee Oak Opening SNA									
Section 28	Burn	04/10/2002	52	Silphium Borer Moth	Yes	Followed timing and area restrictions	No	M. Zine	Waukesha
				Kitten Tails	Yes	Followed Timing Restrictions	No	M. Zine	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	M. Zine	Waukesha
				Blanding's Turtle	Yes	Area surveyed before burn	No	M. Zine	Waukesha
Germania Marsh Wildlife Area									
Section 34,35,36	Herbicide	7/24, 8/2/2002	2	Blanding's Turtle	Yes	Spot Treatment of target species only w/ hand-help sprayer	Yes	J. Holzwart	Green Lake
				Karner Blue Butterfly	Yes	Spot Treatment of target species only w/ hand-help sprayer	Yes	J. Holzwart	Green Lake
Grand River Marsh Wildlife Area									
Sections 5,8,10,11,17	Herbicide	4/16, 5/14,5/21, 5/22/2002	20	Blanding's Turtle	Yes	Spot Treatment of target species only w/ hand-help sprayer	No	J. Holzwart	Green Lake
				Henslow's Sparrow	Yes	Unsuitable Habitat	No	J. Holzwart	Green Lake
Section 12	Herbicide	6/13, 8/7, 8/8/2002	10	Blanding's Turtle	Yes	Followed Timing Restrictions/Spot Treatment of target species only w/ hand-help sprayer	No	J. Holzwart	Green Lake
				Henslow's Sparrow	Yes	Followed Timing Restrictions/Spot Treatment of target species only w/ hand-help sprayer	No	J. Holzwart	Green Lake
Section 12	Mow/Herbicide	08/05/2002	20	Blanding's Turtle	Yes	Followed Timing Restrictions	No	J. Holzwart	Green Lake
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	J. Holzwart	Green Lake
Section 2, 4	Burn	4/15, 4/29/2002	307	Blanding's Turtle	Yes	Burns conducted on overcast days w/ temp approx. 50 degrees/edge surveys conducted	No	J. Holzwart	Green Lake
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	J. Holzwart	Green Lake
Gromme									
	Selective Cutting			Henslow's Sparrow	Yes	Selective cutting > 1/3 area affected	No	TNC	Winnebago/Fond du lac
Hardscrabble SNA									
Section 30	Burn/ Cut Brush	04/09/2002	160	Net-veined Leafhopper	Yes	Followed area restrictions/ did not use machinery for brush cut	No	M. Zine	Lafayette
					Yes		No	M. Zine	Lafayette
Havenwoods State Forest									

Junction of Silver R. and Sherman Blvd	Burn	04/18/2002	60	Butlers Gartersnake	Yes	Consulted Experts/Snake not likely present/Followed Timing and Area Restrictions	Yes	T. Isaac	Milwaukee
Hogback Prairies SNA									
	Burn	05/04/2002	60	Bell's Vireo	Yes	Followed Timing Restrictions	No	TNC	Crawford
				Regal Fritillary	Yes	Followed Timing Restrictions/Consult Expert	Yes	TNC	Crawford
				Wood Turtle	Yes	Followed "no monitoring" guidelines	No	TNC	Crawford
				Net-veined Leafhopper	Yes	Followed "no monitoring" guidelines	No	TNC	Crawford
Section 32	Burn/Cut/Herbicide			Bell's Vireo	Yes	Followed Timing Restrictions	No	C. Olson	Crawford
				Net-veined Leafhopper	Yes	Followed Timing Restrictions	No	C. Olson	Crawford
				Regal Fritillary	Yes	Followed Timing Restrictions/Conducted Surveys	Yes	C. Olson	Crawford
				Hill's Thistle	Yes	Followed Timing Restrictions	No	C. Olson	Crawford
				Prairie Indian Plantain	Yes	Followed Timing Restrictions	No	C. Olson	Crawford
Ipswich Prairie SNA									
Section 36	Burn/Mow/Cut Brush	4/11/2002 - Burn 7/16/2002 - Mow 1/3- 4/2002 - Cut	10	Hills Thistle	Yes	Followed timing restrictions/ground frozen for cut/mowed 1x in season	No	M. Zine	Grant
				Wild Quinine	Yes	Followed timing restrictions/ground frozen for cut/mowed 1x in season	No	M. Zine	Grant
Kessler Railroad Prairie SNA									
Section 24	Burn/Mow	4/08/2002 - Burn 7/08, 7/12/2002 - Mow	4	Prairie Milkweed	Yes	Followed timing restrictions/ground depauperate when cut/mowed 1x in season	No	M. Zine	Rock
				Prairie Indian Plantain	Yes	Followed timing restrictions/ground depauperate when cut/mowed 1x in season	No	M. Zine	Rock
				S. White Lady's Slipper	Yes	Followed timing restrictions/ground depauperate when cut/mowed 1x in season	No	M. Zine	Rock
Kettle Moraine State Forest									
Oak Opening SNA	Burn/ Cut Brush		120	Kitten Tails	Yes	Burn not restricted/cut depauperate groundlayer	Yes	M. Zine	Walworth
Northern Unit (S. 35)	Burn	04/25/2002	147	Butlers Gartersnake	Yes	Consulted Expert	No	B. Hanson	Fond du Lac
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	B. Hanson	Fond du Lac
Northern Unit (S. 13) - Ridge Road	Burn	04/14/2002	50	Yellow Gentian	Yes	Followed Timing Restrictions	No	B. Hanson	Sheboygan
Northern Unit (S. 2)	Burn	04/10/2002	17	Yellow Gentian	Yes	Followed Timing Restrictions	No	B. Hanson	Sheboygan
Northern Unit - Jersey Flats	Burn	04/24/2002	40	Henslow's Sparrow	Yes	Followed Timing Restrictions	No	B. Hanson	Fond du Lac
				Butlers Gartersnake	Yes	Consulted Expert	No	B. Hanson	Fond du Lac
Section 19	Burn/Cut Brush	04/24/2002	159	Kitten Tails	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
				Silphium Borer Moth	Yes	Followed Timing and Area Restrictions	No	J. Jackley	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
Southern Unit (S. 27) - Ottawa Dog Trial Grounds	Firebreaks/Cut Brush	04/05/2002	100	Kitten Tails	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
Southern Unit (S. 3,34)	Firebreaks/Cut Brush	04/26/2002	373	Kitten Tails	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
Southern Unit (S. 4,5)	Firebreaks/Cut Brush	04/30/2002	23	Praire Milkweed	Yes	Followed Timing Restrictions	No	J. Jackley	Walworth
				Prairie Indian Plantain	Yes	Followed Timing Restrictions	No	J. Jackley	Walworth
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Jackley	Walworth

Young/Bluff: Units 3-5	Firebreaks/Burn	Fall/Winter 2002 - Mow	121	Kitten Tails	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth /Jefferson
				Small Skullcap	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth/ Jefferson
Young/Bluff: Units 1, 2	Firebreaks/Burn	Fall/Winter 2002 - Mow	154	Red-tailed Leafhopper	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				Silphium Borer Moth	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				Purple Milkweed	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				Prairie Milkweed	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				Prairie Indian Plantain	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
				Prairie White Fringed Orchid	Yes	Followed Timing Restrictions	No	J. Herrmann	Walworth
Southern Unit: Ottawa Dog Trial Grounds	Firebreaks/Burn	Fall/Winter 2002 - Mow	238	Kitten Tails	Yes	Followed Timing Restrictions	No	J. Herrmann	Waukesha
				Blanding's Turtle	Yes	Burned when temp below 50 degrees	No	J. Herrmann	Waukesha
Southern Unit (S. 19) - Behind Shop	Firebreaks/Burns	Fall/Winter 2002 - Mow	250	Silphium Borer Moth	Yes	Consulted Expert	No	J. Herrmann	Waukesha
				S. White Lady's Slipper	Yes	Consulted Expert	No	J. Herrmann	Waukesha
				Kitten Tails	Yes	Consulted Expert	No	J. Herrmann	Waukesha
				Henslow's Sparrow	Yes	Consulted Expert	No	J. Herrmann	Waukesha
Killsnake Wildlife Area									
Sections 6,17	Burns/Mowing		31	Prairie Parsley	Yes	Followed Timing Restrictions	No	D.Nikolai	Manitowoc
				Yellow Gentian	Yes	Followed Timing Restrictions	No	D.Nikolai	Manitowoc
				Yellow Rail	Yes	Followed Timing Restrictions	No	D.Nikolai	Manitowoc
T18NR21E Sec. 5,6	Cut	7/1, 08/01/2002	38	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
T18NR20E Sec. 3,9,10	Cut/Herbicide	5/21, 6/28, 7/1, 8/30, 10/5, 11/10/2002	54	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T19NR20E Sec. 33,34	Cut	7/7, 8/20/2002	19	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T19NR20E Sec. 35,36	Burn	05/21/2002	27	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T18NR20E Sec 1,3,9, & 12	Burn	05/10/2002	200	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T18NR21E Sec. 6,17	Burn	4/26, 5/23/2002	31	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T18NR20E Sec 9-15	Cut	7/27, 7/30, 8/4, 8/8/2002	200	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Calumet
T18NR21E Sec 6	Cut	08/02/2002	5	Prairie Parsley	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
				Yellow Gentian	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
				Yellow Rail	Yes	Followed Timing Restrictions	Yes	D.Nikolai	Manitowoc
Lancaster Prairie									
Section 6	Cut Brush	07/29/2002	15	Prairie Bushclover	Yes	Cut occurred only 1x in season	No	M. Zine	Grant

				Wild Quinine	Yes	Cut occurred only 1x in season	No	M. Zine	Grant
				Pale Purple Coneflower	Yes	Cut occurred only 1x in season	No	M. Zine	Grant
Lulu Lake/Mukwonago River SNA									
	Brush/Tree Removal	Fall/Winter 2002		Blanding's Turtle	Yes	No restrictions	No	TNC	Walworth
				Yellow Rail	Yes	Tree removal took place in uplands	No	TNC	Walworth
				Swamp Metalmark	Yes	Surveys No species present	No	TNC	Walworth
Section 3	Burn/Cut Brush	4/26/2002 - Burn	100	Kitten Tails	Yes	Cutting when ground was frozen	No	M. Zine	Walworth
		1, 2, 3/20, 3/25, 9/16/2002		Swamp Metalmark	Yes	Not seen since 1970's	No	M. Zine	Walworth
		12/17,12/30/2002 - Herbicide		Blanding's Turtle	Yes	Survey's done before burn	No	M. Zine	Walworth
Mead Wildlife Area									
Section 36 - Green Valley	Burn	05/15/2002	5	Prairie Chicken	Yes	Followed Timing Restrictions	No	T. Meier	Marathon
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	T. Meier	Marathon
Section 2 - Milladone	Burn	04/21/2002	88	Prairie Chicken	Yes	Consulted Expert	No	T. Meier	Wood
Section 36 - Green Valley	Burn	05/15/2002	5	Prairie Chicken	Yes	Followed "no monitoring" guidelines	No	T. Meier	Marathon
				Blanding's Turtle	Yes		No	T. Meier	Marathon
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	T. Meier	Marathon
Sectin 34 - Bergen	Burn	04/16/2002	34	Blanding's Turtle	Yes		No	T. Meier	Marathon
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	T. Meier	Marathon
Muir Park SNA									
Sections 14, 23	Cut/Herbicide	12/6, 12/7/2002	150	Slender glass lizard	Yes	Followed Timing Restrictions/Non-persistent herbicide used	No	M. Zine	Marquette
Muralt Bluff Prairie SNA									
Sections 25,26	Burn/Mow	4/5/2002 - Burn	62	Hill's Thistle	Yes	Followed Timing Restrictions	No	M. Zine	Green
		6/8/2002 - Mow		Yellow Giant Hyssop	Yes	Followed Timing Restrictions	No	M. Zine	Green
				Kitten Tails	Yes	No restrictions	No	M. Zine	Green
				Regal Fritillary	Yes	Followed Timing and Area Restrictions	No	M. Zine	Green
				Silphium Borer Moth	Yes	Followed Timing and Area Restrictions	No	M. Zine	Green
Sections 25,36	Cut Brush	10/31,11/01, 11/04/2002	62	Hill's Thistle	Yes	Followed Timing Restrictions	No	M. Zine	Green
				Yellow Giant Hyssop	Yes	Followed Timing Restrictions	No	M. Zine	Green
				Kitten Tails	Yes	Followed Timing Restrictions	No	M. Zine	Green
				Regal Fritillary	Yes	Followed Timing and Area Restrictions	No	M. Zine	Green
				Silphium Borer Moth	Yes	Followed Timing Restrictions	No	M. Zine	Green
Mukwonago River									
Section 28 - Private Land Owner	Firebreaks/Burn/ Mow	03/27/2002	21	Purple Milkweed	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
Section 28	Firebreaks/Burn/ Mow		50	Purple Milkweed	Yes	Followed Timing Restrictions/mowed only 1x per year	No	J. Jackley	Waukesha
New Munster Wildlife Area									
Unit 2	Burn	04/16/2002	34	Blanding's Turtle	Yes	DNR Staff walked Grassland/Wetland Portion	No	M. Johnson	Kenosha
Olson Oak Woods SNA									
Sections 5, 6	Cut/Herbicide	11/12, 11/21/2002 - Cut Brush	166	Purple Milkweed	Yes	Followed Timing Restrictions/Used Non-persistent Herbicide	No	M. Zine	Dane
Omro Prairie									
	Cut	Fall/Winter 2002		Bell's Vireo	Yes	Followed Timing Restrictions	No	TNC	Winnebago
Page Creek Marsh SNA									
	Burn	04/11/2002	20	Karner Blue	Yes	Surveys	Yes	TNC	Marquette
				Yellow Rail	Yes	Followed Timing Restrictions	No	TNC	Marquette

				Blanding's Turtle	Yes	No wetlands included in burn	No	TNC	Marquette
				W. Glass Lizard	Yes	Followed Timing Restrictions	No	TNC	Marquette
Pickereel Lake Fen SNA									
Units 2, 3, 4	Burn	04/10/2002	15	Blanding's Turtle	Yes	Followed Timing Restrictions	No	TNC	Walworth
				Yellow Rail	Yes	Followed Timing Restrictions	No	TNC	Walworth
Quincy Bluff SNA									
Unit 4	Burn	04/13/2002	200	Wood Turtle	Yes	Followed "no monitoring" guidelines	No	TNC	Adams
				Karner Blue	Yes	Surveys	Yes		Adams
				Yellow Rail	Yes	Followed Timing Restrictions	No		Adams
Unit 6	Burn	04/20/2002	50		Yes		No	TNC	Adams
Unit 8	Burn	11/02/2002	120		Yes		No	TNC	Adams
Rock River SNA									
Section 2	Burn/Mow/Cut Brush	3/26/02 - burn 7/2002 - Mow	35	Hairy Wild Petunia	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
				Hill's Thistle	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
				Pale Purple Coneflower	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
				Roundfruit St. John 's-wort	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
				Prairie Bush Clover	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
				Yellow Giant Hyssop	Yes	Followed Timing Restrictions/cut in low quality areas/mowed 1x during season	No	M. Zine	Rock
Rocky Run SNA									
Unit 8									
Section 32	Cut/Herbicide/ Burn	04/06/2002 - burn	54	Ornate Box Turtle	Yes	Followed Timing Restrictions/Herbicide applied to stumps/bark only	No	M. Zine	Columbia
		12/4, 12/16, 12/19 - Cut/Herbicide		W. Glass Lizard	Yes	Followed Timing Restrictions/Herbicide applied to stumps/bark only	No	M. Zine	Columbia
				Woolly Milkweed	Yes	Followed Timing Restrictions/Herbicide applied to stumps/bark only	No	M. Zine	Columbia
				Hill's Thistle	Yes	Followed Timing Restrictions/Herbicide applied to stumps/bark only	No	M. Zine	Columbia
				Brittle Pricklypear	Yes	Followed Timing Restrictions/Herbicide applied to stumps/bark only	No	M. Zine	Columbia
Rush Creek SNA									
South - Section 5, 6, 8, 9	Cut/Herbicide/ Burn	12/3-4, 12/9-12, 12/26-27, 12/30	15	Yellow Gentian	Yes	Followed Timing/Area Restrictions	No	C. Olson	Crawford
		1/2, 1/7, 1/13, 1/21, 1/31		Purple Milkweed	Yes	Followed Timing/Area Restrictions	No	C. Olson	Crawford
		2/7, 3/3/2002		Winged Snaggletooth	Yes	Followed Timing/Area Restrictions	No	C. Olson	Crawford
Schluckebier Prairie									
				Red-tailed Leafhopper	Yes	Host Plants Mapped	No	TNC	Sauk
Scuppernong Prairie SNA									
Units 1, 2	Firebreaks/Burns	Fall/Winter 2002 - Mow	495	Red-tailed Leafhopper	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Powesheik Skipperling	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Silphium Borer Moth	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Prairie Indian Plaintain	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha

				S. White Lady's Slipper	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Prairie White Fringed Orchid	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Blanding's Turtle	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
				Swamp Metalmark	Yes	Followed Area/Timing Restrictions/Consulted Expert	No	J. Herrmann	Waukesha
Unit 9	Firebreaks/Burns		331	Blanding's Turtle	Yes	Walked Perimeter	No	J. Herrmann	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Herrmann	Waukesha
	Tree Removal (Chainsaw)/Burn	04/17/2002	150	Prairie Milkweed	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Kitten Tails	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Prairie Indian Plaintain	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				S. White Lady's Slipper	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Yellow Gentian	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				White Fringed Orchid	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Henslow's Sparrow	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Powesheik Skipperling	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
				Silphium Borer Moth	Yes	Avoided known areas, time of year restrictions	No	D. Doebereiner	Waukesha
	Burn	04/26/2002	150	Prairie Milkweed	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Kitten Tails	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Prairie Indian Plaintain	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Yellow Gentian	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				White Fringed Orchid	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Powesheik Skipperling	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
				Silphium Borer Moth	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
	Tree Removal (ASV)	8/6/02-8/9/02	10	Prairie Milkweed	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Kitten Tails	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Prairie Indian Plaintain	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Yellow Gentian	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
				White Fringed Orchid	Yes	No Restrictions	No	D. Doebereiner	Waukesha
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Blanding's Turtle	No	Presence unknown, unlikely to impact	No	D. Doebereiner	Waukesha
				Powesheik Skipperling	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
				Silphium Borer Moth	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
	Tree Removal (Chainsaw)	9/17/02-10/10/02	10	Prairie Milkweed	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Kitten Tails	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Prairie Indian Plaintain	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Yellow Gentian	No	Avoided Known Areas	No	D. Doebereiner	Waukesha
				White Fringed Orchid	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha

				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	D. Doebereiner	Waukesha
				Blanding's Turtle	Yes	No Restrictions	No	D. Doebereiner	Waukesha
				Powesheik Skipperling	Yes	Followed Area Restrictions	No	D. Doebereiner	Waukesha
				Silphium Borer Moth	Yes	No Restrictions	No	D. Doebereiner	Waukesha
Sheboygan County Marsh									
Sections 27-29 The Main Field	Burn	04/16/2002	15	Yellow Gentian	Yes	Followed Timing Restrictions	No	B. Hanson	Sheboygan
Sections 27-29 Refuge Line Fields	Burn	04/16/2002	10	Yellow Gentian	Yes	Followed Timing Restrictions	No	B. Hanson	Sheboygan
Spring Green SNA									
Unit 1	Burn	03/30/2002	15	Henslow's Sparrow	Yes	Followed Timing Restrictions/Survey's	Yes	TNC	Sauk
Unit 3	Burn	11/08/2002	40						Sauk
Unit 7	Burn/Cedar/ Locust Control	03/29/2002 - Burn Fall/Winter 2002 - Control	100	Ornate Box Turtle	Yes	Followed Timing Restrictions	No	TNC	Sauk
				Net-veined Leafhopper	Yes	Followed "no monitoring" guidelines	No	TNC	Sauk
Thompson Prairie									
Unit 3, 4, 11	Burn	04/25/2002	15	Bell's Vireo	Yes	Followed Timing/Area Restrictions	Yes	TNC	Dane/Iowa
				Red-tailed Leafhopper	Yes	Left regugia for dropseed and leafhoppers	Yes	TNC	Dane/Iowa
	Cut/Tree Removal	Fall/Winter 2002		Loggerhead Shrike	Yes	Surveys No species present	Yes	TNC	Dane/Iowa
Unit 7-10	Burn	4/06/2002	40	Henslow's Sparrow	Yes	Followed Timing Restrictions	Yes	TNC	Dane/Iowa
	Mow	07/02/2002		Regal Fritillary	Yes	Followed Timing and Area Restrictions/Consulted Experts/Survey's	Yes	TNC	Dane/Iowa
Tichigan Wildlife Area									
Units 1, 2	Burn	04/11/2002	137	Blanding's Turtle	Yes	Burning occurred on an overcast day	No	M. Johnson	Racine
Trenton Bluff SNA									
Section 34	Burn/Cut/ Herbicide			Net-veined Leafhopper	Yes	Followed Timing/Area Restrictions	No	C. Olson	Pierce
				Dotted Blazingstar	Yes	Followed Timing/Area Restrictions	No	C. Olson	Pierce
				Ground Plum	Yes	Followed Timing/Area Restrictions	No	C. Olson	Pierce
Turtle Creek Wildlife Area									
Sections 24, 25	Firebreaks/Burn/Mow	04/11/2002	76	E. Massasaugua rattle snake	No	Burned 1st warm day of season/consult Bob Hay	No	J. Jackley	Rock
Turtle Valley Wildlife Area									
Sections 24,25	Mow		125	E. Massasaugua rattle snake	No	Burn conducted 1st warm day of season w/consult of Bob Hay (Expert)	No	J. Herrmann	Rock
Vernon Wildlife Area									
Section 1 - Amron	Firebreaks/Burn/Mow	04/10/2002	67	S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Jackley	Waukesha
Section 1, 2: Amron	Firebreaks/Burn/Mow	Fall/Winter 2002 - Mow	176	S. White Lady's Slipper	Yes	Followed Timing Restrictions/Mowed only 1x per year	No	J. Herrmann	Waukesha
Northern Units 1-3	Burn/Mow		126	Yellow Gentian	Yes	Followed Timing Restrictions/Mowed only 1x per year	No	J. Herrmann	Waukesha
				S. White Lady's Slipper	Yes	Followed Timing Restrictions/Mowed only 1x per year	No	J. Herrmann	Waukesha
Frog Alley Units 1-6	Burn/Mow		667	S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	J. Herrmann	Waukesha
Waubesa Wetland SNA									
	Brush/Tree Removal	Fall/Winter 2002		Blanding's Turtle	Yes	Followed Area Restrictions	No	TNC	Dane
	Mowing	07/02/2002		Henslow's Sparrow	Yes	Followed Timing and Area Restrictions	No	TNC	Dane

Sections 7,18	Burn	04/23, 11/25/2002 - Burn 11/22/2002 - Herbicide	18	Blanding's Turtle	Yes	Burned when temp was >50 degrees	No	M. Zine	Dane
White River Marsh Wildlife Area									
Sections 1, 2, 11	Cut/Herbicide	02/28/2002	18	Karner Blue Butterfly	Yes	Followed Timing Restrictions/Spot Treatment of Herbicide	Yes	J. Holzward	Green Lake
				Blanding's Turtle	Yes	Followed Timing Restrictions/Spot Treatment of Herbicide	Yes	J. Holzward	Green Lake
Sections 14,15,23,24	Cut/Herbicide	1/24, 2/15, 2/18, 6/24, 6/27/2002	30	Blanding's Turtle	Yes	Followed Timing Restrictions/Spot Treatment of Herbicide	Yes	J. Holzward	Green Lake
Section 7	Cut/Herbicide	2/19, 2/26, 6/24, 7/1, 7/2, 7/9, 9/3, 10/2/2002	20	Blanding's Turtle	Yes	Followed Timing Restrictions/Spot Treatment of Herbicide	Yes	J. Holzward	Green Lake
Sections 14,16,17,19,20	Cut/Mow/Herbicide	1/29,2/18,2/25, 2/28,3/7,3/14, 9/4/2002	60	Blanding's Turtle	Yes	Followed Timing Restrictions/Spot Treatment of Herbicide	Yes	J. Holzward	Green Lake
Section 18	Herbicide/Plant	9/17, 10/29/2002	10	Blanding's Turtle	Yes	Followed Timing Restrictions	Yes	J. Holzward	Green Lake
Section 25,30,31	Herbicide/Plant	7/17, 8/29, 9/17,10/30/2002	40	Blanding's Turtle	Yes	Followed Timing Restrictions	Yes	J. Holzward	Green Lake
Willow River State Park									
Sections 5, 8	Herbicide	Mid August 2002	20	Henslow's Sparrow	Yes	Followed Timing and Area Restrictions	Yes	K. Belling	St. Croix
Young Prairie SNA									
	Burn		40	Prairie Milkweed	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				Kitten Tails	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				Prairie Indian Plaintain	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				S. White Lady's Slipper	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				Yellow Gentian	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				White Fringed Orchid	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				Henslow's Sparrow	Yes	Followed Timing Restrictions	No	D. Doebereiner	Walworth
				Blanding's Turtle	No	Presence unknown, unlikely to impact	No	D. Doebereiner	Walworth
				Powesheik Skipperling	No	Avoided known locations	No	D. Doebereiner	Walworth
				Silphium Borer Moth	No	Avoided known locations	No	D. Doebereiner	Walworth
Zauner Prairie									
Section 28,29	Mow/Burn	4/23/02 - Burn 7/19,7/20, 7/22/2002 - Mow		Hill's Thistle	Yes	Followed Timing Restrictions/Mowed only 1x during season	No	M. Zine	Dane
TOTAL ACREAGE:			8,812						